

Converting Colors

CIELCh(43, 100.833, 307.743)

Have a look what the booklet for
CIELCh(43, 100.833, 307.743)
contains.

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Color

CIELCh(43, 100.810, 307.784)

Conversions

Conversions Part 1

Format	Color
Hex	733EED
RGB	115, 62, 237
RGB Percent	45%, 24%, 93%
CMY	0.5498, 0.7576, 0.0714
CMYK	0.52, 0.74, 0.00, 0.07
HSL	258°, 83%, 59%
HSV	258°, 74%, 93%
XYZ	24.0104, 13.1578, 81.2381
YIQ	97.7970, -24.5870, 65.6610

Conversions

Conversions Part 2

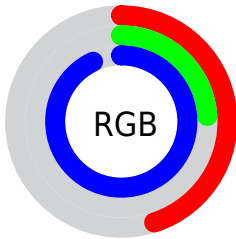
Format	Color
R _Y B	115, 62, 237
Decimal	7552749
CIE Lab	43.00, 61.76, -79.67
CIE LCh	43, 100.810, 307.784
Yxy	13.1578, 0.2028, 0.1111
Android (android.graphics.Color)	4285742829 (0xFF733EED)
YUV	97.7970, 68.6271, 15.0870
Hunter-Lab	36.2736, 54.6748, -107.3938

Details

The CIELCh color **43, 100.810, 307.784** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **87, 84.072, 118.546**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 79.774, 310.187**, and **23, 100.765, 307.750** is the 20% darker color. If you saturate the color by 10%, you get **38, 112.029, 308.309**, and if you desaturate by 10%, it is **49, 87.563, 306.987**.

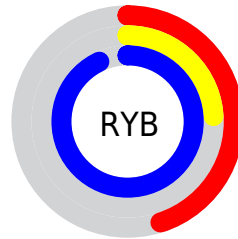
Distribution



Red (45%)

Green (24%)

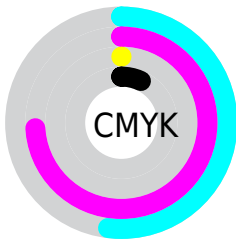
Blue (93%)



Red (45%)

Yellow (24%)

Blue (93%)

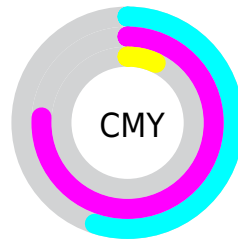


Cyan (52%)

Magenta (74%)

Yellow (0%)

Black (7%)



Cyan (55%)


Magenta (76%)


Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 100.810, 307.784 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 43, 100.810, 307.784 by changing the saturation by 10% instead.


 43, 100.810,
307.784


 43, 100.810,
307.784


 100, 100.810,
307.784


 33, 100.810,
307.784


 63, 100.810,
307.784


 23, 100.810,
307.784


 73, 100.810,
307.784


 13, 100.810,
307.784


 83, 100.810,
307.784

 3, 100.810,
307.784

 93, 100.810,
307.784

 0, 100.810,
307.784

 43, 100.810,

 43, 100.810,

307.784

307.784

■ 38, 112.029,
308.309

■ 49, 87.563,
306.987

■ 34, 119.843,
308.374

■ 55, 73.417,
306.073

■ 33, 122.950,
308.221

■ 62, 59.077,
305.149

■ 69, 44.922,
304.272

■ 77, 31.135,
303.471

■ 84, 17.789,
302.754

■ 91, 4.906, 302.116

■ 98, 7.522, 121.586

100, 9.215,
109.479

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43, 100.810, 307.784



87, 84.072, 118.546

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43, 100.810, 307.784



43, 100.810, 357.784



43, 100.810, 127.784



43, 100.810, 177.784

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43, 100.810, 307.785



83, 30.343, 303.335



71, 39.439, 245.122



42, 20.485, 303.541



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43, 100.810, 307.785



39, 123.532, 308.412



54, 97.962, 321.369



45, 7.162, 302.463



24, 100.349, 308.375



3, 36.666, 305.255

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 80.309, 341.018



58, 91.225, 343.382



84, 96.449, 134.507



46, 6.841, 335.015



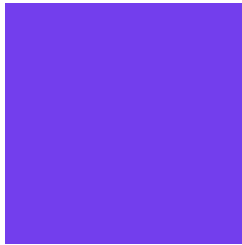
40, 71.275, 345.055



8, 31.429, 341.909

Previews

White Background



This preview shows how the CIELCh color 43, 100.810, 307.784 looks on a white background.

Color Contrast Check

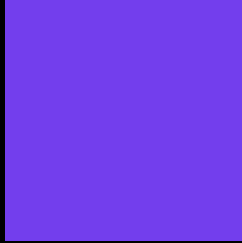
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 43, 100.810, 307.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

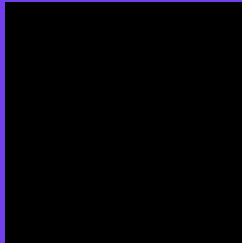
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 100.810, 307.784

Background



This preview shows how black text looks on a background with the CIELCh color 43, 100.810, 307.784.

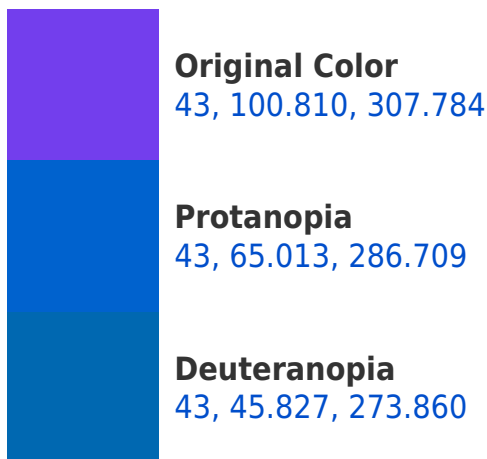



This preview shows how white text looks on a background with the CIELCh color 43, 100.810, 307.784.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
43, 11.552, 223.103

Trichromacy



Original Color
43, 100.810, 307.784



Protanomaly
41, 79.026, 295.151



Deuteranomaly
41, 66.380, 291.421



Tritanomaly
41, 41.791, 296.420

Monochromacy



Original Color
43, 100.810, 307.784



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 38.921, 304.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 100.810, 307.784 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 62, 237)` looks like.

```
.text, #text, p{  
    color:rgb(115, 62, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 62, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 62, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 100.810, 307.784 is called "border". The border property can be set on classes, ids or directly on the HTML element.

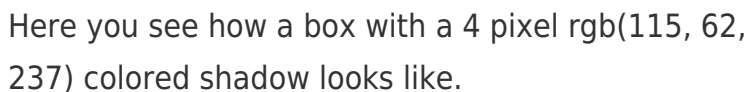
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 62, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(115, 62, 237) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(115, 62, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 62, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 62, 237); box-shadow:4px 4px 4px 4px rgb(115, 62, 237) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 100.810, 307.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 62, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115, 62,  
237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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